

**Amendments to the Claims:** This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

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- 1           1.       (Currently Amended) An electrode structure comprising a first  
2       catalytic component and a second catalytic component, wherein:
- 3           (a)     said first catalytic component comprises one or more electrocatalyst(s)  
4                 of formula Pt-Y, wherein Y is Mo, W or an oxide of Mo or W; and
- 5           (b)     said second catalytic component comprises one or more  
6                 electrocatalyst(s) of formula Pt-M, where M is a metal alloyed with the  
7                 platinum and is one or more metals selected from the group consisting  
8                 of Ru, Rh, Ti, Cr, Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn; and
- 9       wherein the first and second catalytic components are in ionic contact with each  
10       other.
- 1           2.       (Currently Amended) An electrode structure according to claim 12  
2       wherein X is selected from the group consisting of Ru, Mn, Co, Ni, and Rh.
- 1           3.       (Previously Presented)       An electrode structure according to claim  
2       1, wherein M is selected from Ru or Rh.
- 1           4.       (Currently Amended) An electrode structure according to claim 1,  
2       wherein the first catalytic component is selected from the group consisting of:  
3       Pt/Mo, Pt/Mo/Co, Pt/W/Co, Pt/Ru/WO<sub>3</sub> and Pt/Ti/W; and the second catalytic  
4       component is Pt/Ru.
- 1           5.       (Previously Presented) An electrode comprising an electrode structure  
2       according to claim 1 wherein the electrocatalyst materials are present on one side of  
3       a gas diffusion material.

1           6.       (Previously Presented) A catalysed membrane comprising an electrode  
2 structure according to claim 1 wherein the electrocatalyst materials are present on  
3 one side of a polymer electrolyte membrane material.

1           7.       (Previously Presented) An MEA comprising an electrode structure  
2 according to claim 1.

1           8.       (Previously Presented) An electrode according to claim 5, wherein the  
2 two catalyst materials are formulated into two separate layers.

1           9.       (Previously Presented) An electrode according to claim 5, wherein the  
2 two catalyst materials are formulated into one mixed layer.

1           10      (Currently Amended) A fuel cell comprising an electrode structure,  
2 comprising a first catalytic component and a second catalytic component,  
3 characterised in that the first catalytic component comprises one or more  
4 electrocatalyst(s) of formula Pt-Y where Y is Mo, W, or an oxide of Mo or W, and the  
5 second catalytic component comprises one or more electrocatalyst(s) of formula Pt-  
6 M, where M is a metal alloyed with the platinum and is one or more metals selected  
7 from the group consisting of Ru, Rh, Ti, Cr, Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn,  
8 and wherein the first and second catalytic components are in ionic contact with each  
9 other.

11.      (Canceled)

1           12.      (Currently Amended) An electrode structure according to claim 1  
2 wherein said first catalytic component comprises a third metal component X which is  
3 alloyed with the platinum and which is one or more metals selected from the group  
4 consisting of Ru, Rh, Ti, Cr, Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn.

1           13.      (Previously Presented) A catalysed membrane according to claim 6  
2 wherein the two catalyst materials are formulated into two separate layers.

1           14.      (Previously Presented) A catalysed membrane according to claim 6  
2 wherein the two catalyst materials are formulated into one mixed layer.

1           15.   (Previously Presented) An MEA according to claim 7 wherein the two  
2 catalyst materials are formulated into two separate layers.

16.   (Canceled)

1           17.   (Previously Presented) An MEA according to claim 7 wherein the two  
2 catalyst materials are formulated into one mixed layer.

1           18.   (Previously Presented) A fuel cell according to claim 10 wherein said  
2 first catalytic component comprises a third metal component X which is alloyed with  
3 the platinum and which is one or more metals selected from the group consisting of  
4 Ru, Rh, Ti, Cr, Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn.

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